USFS DISTURBED WEPP BATCH PROGRAM - Summary Results

Project Name White Pine Activity fire

Location Palouse RD

Watershed Hangman&Meadow

Climate Summary

Modified by Rock:Clime on June 26, 2020 from
MOSCOW U OF I ID 106152 0 T MAX 29.27 35.67 42.39
51.95 60.82 68.58 78.09 77.98 69.00 55.38 38.90 31.03 deg F
T MIN 18.91 22.83 26.05 30.75 36.28 41.57 44.40 44.44 39.04 32.38 26.13
20.83 deg F
MEANP 4.60 3.54 3.25 2.69 2.76 2.44 1.22 1.49 1.74 2.21 4.29 4.61 in
WET 14.85 11.81 13.56 11.19 10.63 8.70 4.19 4.80 6.00 8.86 14.78 14.86 days

Latitude 47.08 Longitude 116.72 Elevation 4200.0 ft

Total Hillslope Area 2370.08 acres consisting of 58 hillslopes

Mean Annual Averages for Watershed

Precipitation	35.4	inches
# of storms	3719	
Average runoff from rainfall	0	inches
Average # of runoff events	8	
Average snowmelt runoff	1.65	inches
Average # of snowmelt runoff events	211	

	Average tons/acre	Total tons
Upland Erosion	0.01	37.1
Sediment Delivery	0.01	36.31

Return Period Analysis

	Average (tons/acre)		Total (tons)	
	Erosion	Sediment Delivery	Erosion	Sediment Delivery
30 year	0.25	0.21	920.41	809.72
15 year	0.09	0.05	345.06	165.99
6 year	0.00	0.00	10.94	3.98
3 year	0.00	0.00	0.00	0.02
1.5 year	0.00	0.00	0.00	0.00
Average	0.01	0.01	36.63	36.34

Probability of Occurrence in First Year Following Disturbance

	Probability Range	
Runoff	93 - 100	%
Erosion	3 - 23	%

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